



REFERENSI

- [1] M. S. Rejeki *et al.*, “Convalescent plasma therapy in patients with moderate-to-severe COVID-19: A study from Indonesia for clinical research in low- and middle-income countries,” *EClinicalMedicine*, vol. 36, Jun. 2021, doi: 10.1016/j.eclinm.2021.100931.
- [2] “COVID-19 and Convalescent Plasma - Hematology.org.” <https://www.hematology.org/covid-19/covid-19-and-convalescent-plasma> (accessed Nov. 18, 2021).
- [3] “What is an API?” <https://www.redhat.com/en/topics/api/what-are-application-programming-interfaces> (accessed Nov. 18, 2021).
- [4] “What is a REST API?” <https://www.redhat.com/en/topics/api/what-is-a-rest-api> (accessed Nov. 18, 2021).
- [5] “Introduction to the Fundamentals of Time Series Data and Analysis - Aptech.” <https://www.aptech.com/blog/introduction-to-the-fundamentals-of-time-series-data-and-analysis/> (accessed Nov. 18, 2021).
- [6] “What is an IDE?” <https://www.redhat.com/en/topics/middleware/what-is-ide> (accessed Nov. 18, 2021).
- [7] “What is Python? Executive Summary | Python.org.” <https://www.python.org/doc/essays/blurb/> (accessed Nov. 18, 2021).
- [8] A. Zola, “What is the Python programming language?” <https://whatis.techtarget.com/definition/Python> (accessed Nov. 18, 2021).
- [9] “Keras: the Python deep learning API.” <https://keras.io/> (accessed Sep. 20, 2022).
- [10] “What is Flask? - Flask: Develop Web Applications in Python.” <https://www.educative.io/courses/flask-develop-web-applications-in-python/qZWAmEGDBkR> (accessed Jul. 13, 2022).
- [11] “Introduction to Node.js.” <https://nodejs.dev/learn/introduction-to-nodejs> (accessed Jan. 24, 2022).
- [12] “Express - Node.js web application framework.” <https://expressjs.com/> (accessed Jan. 24, 2022).
- [13] N. Donges, “Recurrent Neural Networks (RNN): What It Is & How It Works | Built In.” <https://builtin.com/data-science/recurrent-neural-networks-and-lstm> (accessed Nov. 18, 2021).
- [14] A. Karpathy, “The Unreasonable Effectiveness of Recurrent Neural Networks,” May 21, 2015. <https://karpathy.github.io/2015/05/21/rnn-effectiveness/> (accessed Sep. 20, 2022).



- [15] R. Miller, H. Schwarz, and I. S. Talke, “Forecasting Sports Popularity: Application of Time Series Analysis,” *Academic Journal of Interdisciplinary Studies*, vol. 6, no. 2, pp. 75–82, Aug. 2017, doi: 10.1515/ajis-2017-0009.
- [16] I. A. Iwok and A. S. Okpe, “A Comparative Study between Univariate and Multivariate Linear Stationary Time Series Models,” *American Journal of Mathematics and Statistics*, vol. 6, no. 5, pp. 203–212, 2016, doi: 10.5923/j.ajms.20160605.02.
- [17] G. P. Zhang, “Time series forecasting using a hybrid ARIMA and neural network model,” 2003. [Online]. Available: www.elsevier.com/locate/neucom
- [18] J. Fattah, L. Ezzine, Z. Aman, H. el Moussami, and A. Lachhab, “Forecasting of demand using ARIMA model,” *International Journal of Engineering Business Management*, vol. 10, Oct. 2018, doi: 10.1177/1847979018808673.
- [19] S. S. Deshmukh and R. Paramasivam, “Forecasting of milk production in India with ARIMA and VAR time series models,” *Asian Journal of Dairy and Food Research*, vol. 35, no. 1, Mar. 2016, doi: 10.18805/ajdfr.v35i1.9246.
- [20] S. C. Hsieh, “Tourism demand forecasting based on an lstm network and its variants,” *Algorithms*, vol. 14, no. 8, Aug. 2021, doi: 10.3390/a14080243.
- [21] A. Moghar and M. Hamiche, “Stock Market Prediction Using LSTM Recurrent Neural Network,” in *Procedia Computer Science*, 2020, vol. 170, pp. 1168–1173. doi: 10.1016/j.procs.2020.03.049.
- [22] K. K. A. Ghany, H. M. Zawbaa, and H. M. Sabri, “COVID-19 prediction using LSTM algorithm: GCC case study,” *Inform Med Unlocked*, vol. 23, Jan. 2021, doi: 10.1016/j.imu.2021.100566.
- [23] Z. Zhao, W. Chen, X. Wu, P. C. Y. Chen, and J. Liu, “LSTM network: A deep learning approach for Short-term traffic forecast,” *IET Intelligent Transport Systems*, vol. 11, no. 2, pp. 68–75, Mar. 2017, doi: 10.1049/iet-its.2016.0208.
- [24] C. Olah, “Understanding LSTM Networks -- colah’s blog,” 2015. <https://colah.github.io/posts/2015-08-Understanding-LSTMs/> (accessed Nov. 18, 2021).
- [25] “Illustrated Guide to LSTM’s and GRU’s: A step by step explanation | by Michael Phi | Towards Data Science.” <https://towardsdatascience.com/illustrated-guide-to-lstms-and-gru-s-a-step-by-step-explanation-44e9eb85bf21> (accessed Nov. 18, 2021).
- [26] F. K. Rambe, “PENDEKATAN PENCARIAN LOKAL DALAM OPTIMISASI KOMBINATORIK,” 2014.



- [27] D. P. Sari, F. Bu'ulolo, and S. Ariswoyo, "Optimasi Masalah Transportasi Dengan Menggunakan Metode Potensial Pada Sistem Distribusi PT. Xyz," *Saintia Matematika*, vol. 1, no. 5, pp. 406–418, 2013.
- [28] M. Ammar, "IMPLEMENTASI ALGORITMA GREEDY DALAM MENYELESAIKAN KASUS KNAPSACK PROBLEM PADA JASA PENGIRIMAN PT CITRA VAN TITIPAN KILAT (TIKI) KOTA MAKASSAR," 2019.
- [29] İ. Kırbas, A. Sözen, A. D. Tuncer, and F. Ş. Kazancioğlu, "Comparative analysis and forecasting of COVID-19 cases in various European countries with ARIMA, NARNN and LSTM approaches," *Chaos Solitons Fractals*, vol. 138, Sep. 2020, doi: 10.1016/j.chaos.2020.110015.
- [30] D. Andréasson and J. Mortensen Blomquist, "Forecasting the OMXS30-a comparison between ARIMA and LSTM."
- [31] S. Siami-Namini, N. Tavakoli, and A. Siami Namin, "A Comparison of ARIMA and LSTM in Forecasting Time Series," in *Proceedings - 17th IEEE International Conference on Machine Learning and Applications, ICMLA 2018*, Jan. 2019, pp. 1394–1401. doi: 10.1109/ICMLA.2018.00227.
- [32] O. Almqvist, "A comparative study between algorithms for time series forecasting on customer prediction: An investigation into the performance of ARIMA, RNN, LSTM, TCN and HMM." [Online]. Available: <https://www.researchgate.net/publication/333731678>
- [33] S. Söderlund, "Performance of REST applications : Performance of REST applications in four different frameworks," 2017, Accessed: Jan. 25, 2022. [Online]. Available: <http://urn.kb.se/resolve?urn=urn:nbn:se:lnu:diva-64841>
- [34] J. Brownlee, "How to use Data Scaling Improve Deep Learning Model Stability and Performance," Aug. 25, 2020. <https://machinelearningmastery.com/how-to-improve-neural-network-stability-and-modeling-performance-with-data-scaling/> (accessed Sep. 20, 2022).
- [35] S. Panigrahi, Y. Karali, and H. S. Behera, "Time Series Forecasting using Evolutionary Neural Network," *Int J Comput Appl*, vol. 75, no. 10, pp. 13–17, Aug. 2013, doi: 10.5120/13146-0553.
- [36] NordNordWest/Wikipedia, "File:Indonesia Java location map.svg - Wikimedia Commons." https://commons.wikimedia.org/wiki/File:Indonesia_Java_location_map.svg (accessed Jul. 13, 2022).